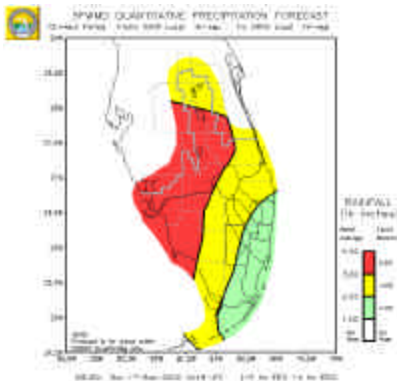


OPERATIONS CONTROL

FACTS AND FIGURES AT-A-GLANCE

DIRECTOR: TOMMY B. STROWD, P.E.

Our mission is to provide monitoring and control of District water structures and water bodies to provide flood control, water supply and environmental enhancement. Decisions are coordinated with the U.S. Army Corps of Engineers for water storage areas they control, namely Lake Okeechobee, WCA 1, WCA 2A, and WCA 3A outflow structures. Liaison and coordination with other agencies and special interests is also provided. Leads multi-disciplinary operational planning team in the investigations of potential areas of operational flexibility. Included as basic components of our mission are the operation of a 24-hour Operations Control Center, a meteorological analysis section, a real-time communications and computer control system with software maintenance staff, and a real-time decision support system with software and hardware components.



METEOROLOGY

- Develop and publish Quantitative Precipitation Forecasts;
- Produce daily rainfall reports, track rainfall trends, analyze climate data;
- Monitor the Tropics and assess potential threats to the District;
- Coordinate with the National Weather Service, National Hurricane Center, & the Climate Prediction Center; and
- Maintain webpages that communicate a broad range of weather and water control information to the public and other agencies.

WATER CONTROL OPERATIONS

- Develop and implement short & long-term water management strategies based on antecedent conditions, weather forecasts, operating guidelines and agency policies;
- Develop and publish monthly surface water conditions reports;
- Coordinate operations with other government agencies.

OPERATIONS CONTROL CENTER

- 24-hour monitoring of over 200 major water control sites via microwave telemetry and other electronic / telephonic / radio data acquisition systems;
- Operating SFWMD's regional water control system's extensive network of canals, levees, pumps, gates and spillways;
- Communicating & coordinating water control equipment status, readiness & required maintenance with Field Operations staff & other governments; and
- Serving as the SFWMD's 24-hour State Warning Point for the State of Florida's Emergency Satellite Communications (ESATCOM) System.

ENVIRONMENTAL OPERATIONS

- Seeks internal & external environmental input and communicate potential opportunities to improve regional operations with respect to the environment;
- Provides environmental input to Operational Planning activities;
- Coordinates the operations & maintenance of the newly constructed Stormwater Treatment Areas (STAs); and
- Coordinates the development of operational plans for the STAs & Comprehensive Everglades Restoration Program (CERP) components and "Critical Projects".

SCADA SYSTEM ENGINEERING

- Operate and maintain the SCADA (Supervisory Control and Data Acquisition) communication control system;
- Maintain remote operational capability for emergency operations and hurricanes.
- Identify and troubleshoot software & hardware problems related to sensors, site configurations, and the microwave telemetry system; and
- Develop & maintain support software applications for monitoring, controlling, and analyzing real-time data.

